

# RI-R38

## IT NETWORKS INSULATION CONTROL 440 VAC



### General Characteristics



The RI-R38 is a device that allows to control the insulation to earth in alternating neutral networks up to 440 VAC (IT systems).

Putting a continuous component measure signal between the insulated line and earth it's possible to control the insulation resistance reading the dispersion current generated to earth.

On the frontal panel of RI-R38 there is the signaling of device ON, the signaling of tripping TRIP (low insulation), a test and a reset push-buttons and a series of micro-switches to regulated the threshold of trip.

It's available a changeover contact relay to use the low insulation signaling in a remote panel.

### Features

INSULATION MONITORING UP TO 440 VAC

RESET PUSHBUTTON

INDICATION OF FUNCTIONING INSTRUMENT

LOW INSULATION LED

TEST PUSHBUTTON

TRIP THRESHOLD SETTING

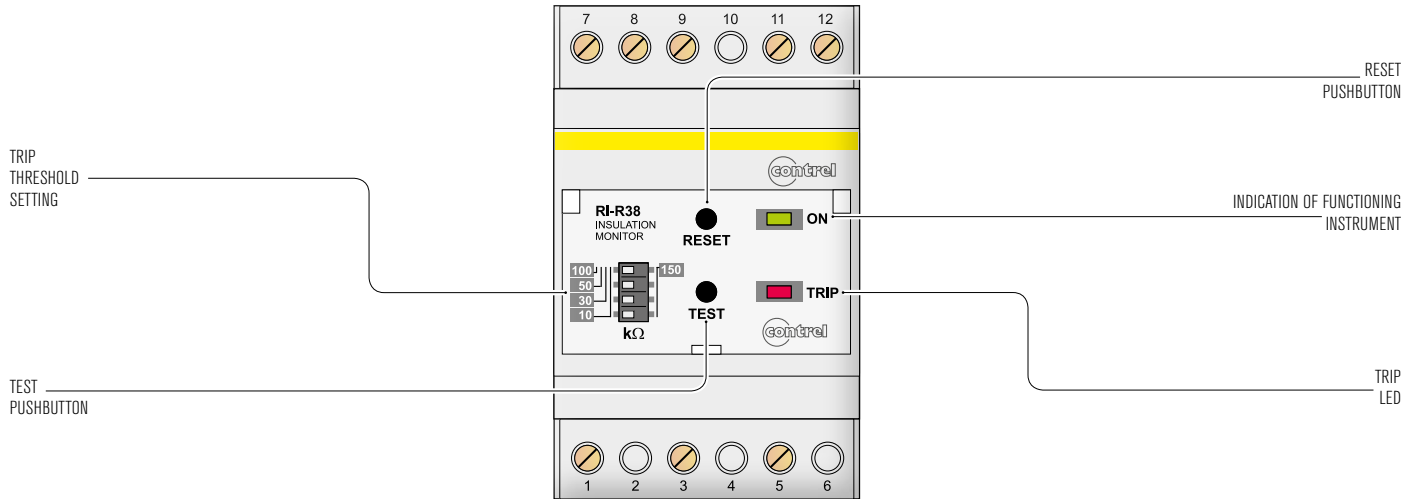
### Technical characteristics

<b>Controlled network voltage</b>	380-415 VAC
<b>Power consumption</b>	3 VA
<b>ALARM threshold setting</b>	-
<b>TRIP threshold setting</b>	10÷150 kΩ
<b>Tripping delay</b>	< 5 sec
<b>Max measuring current</b>	0.1 mA
<b>Max measuring voltage</b>	12 VDC
<b>Internal impedance</b>	250 kΩ
<b>TRIP Relay number NO-C-NC</b>	1
<b>ALARM Relay number NO-C-NC</b>	-

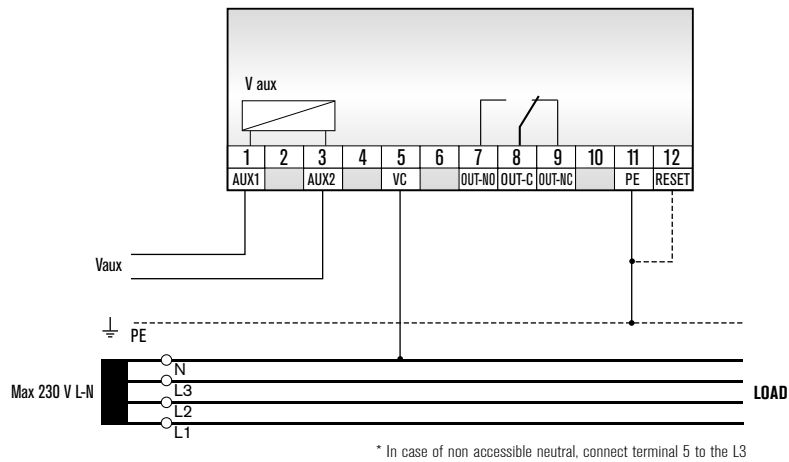
<b>Max relay contact capacity</b>	250V - 5A
<b>Operating temperature</b>	-10 ÷ 60 °C
<b>Storage temperature</b>	-20 ÷ 80 °C
<b>Relative humidity</b>	≤ 95%
<b>Max terminal section</b>	4 mm <sup>2</sup>
<b>Protection degree</b>	IP40 front   IP20 housing
<b>Insulation test</b>	2.5 kV 60 sec   4 kV imp 1.2/50 μs
<b>Modules</b>	3
<b>Weight</b>	200 g
<b>Standards</b>	EN 61010-1, EN 61557-8, EN 61326-1

ORDER CODE	VERSION	Vaux	DESCRIPTION	CONTROLLED NETWORK VOLTAGE	MODULES
RI-R38 115	TRIP threshold adjustment	115 VAC	IT networks insulation control 440 VAC	380-415 VAC	3
RI-R38 230	TRIP threshold adjustment	230 VAC	IT networks insulation control 440 VAC	380-415 VAC	3
RI-R38 1000	TRIP threshold adjustment	115 or 230 VCA	IT networks insulation control 1000 VAC (whith ADAPTER)	max 1000 VCA	3

### Operators



### Wiring diagrams



### Mechanical dimensions (mm)

